

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1180108

Luminaire Tested: LDA2B209730R2050D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209730R2050D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

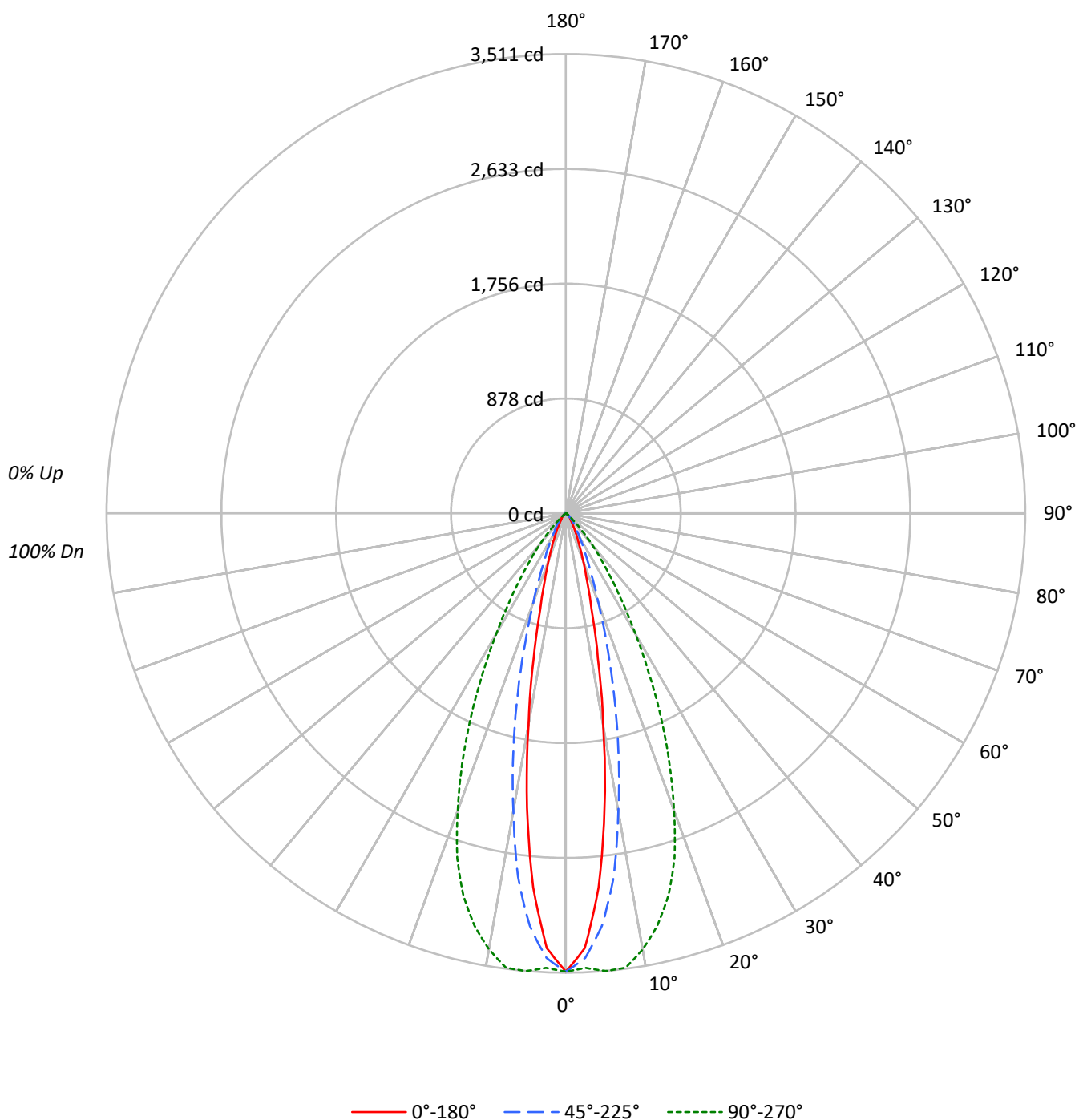
Lumens per Lamp: N/A
Luminaire Lumens: 1259.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1180108

CATALOG NUMBER: LDA2B209730R2050D010 2LBD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1180108

CATALOG NUMBER: LDA2B209730R2050D010 2LBD1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1728000	1728000	1728000
5°	1420664	1567504	1738909
10°	824651	1158299	1695392
15°	384198	721405	1545015
20°	202450	380328	1269877
25°	112085	205933	936634
30°	65742	120659	605746
35°	42220	80947	358901
40°	32910	54550	199394
45°	28537	32583	88680
50°	25789	22412	32543
55°	17547	16343	15053
60°	12926	11545	11545
65°	10273	8522	10273
70°	8366	8366	8366
75°	8387	8387	8387
80°	8239	8239	8239
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 88680 cd/sqm

TEST NUMBER: P1180108

CATALOG NUMBER: LDA2B209730R2050D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	22.2
10°-20°	456.6	36.3
20°-30°	304.6	24.2
30°-40°	137.3	10.9
40°-50°	50.3	4.0
50°-60°	17.6	1.4
60°-70°	8.2	0.7
70°-80°	4.3	0.3
80°-90°	1.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1040.1	82.6
0°-40°	1177.4	93.5
0°-60°	1245.3	98.9
0°-90°	1259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3502	3502	3502	3502	3502	
5°	2869	2958	3165	3396	3511	234
15°	752	884	1412	2387	3025	225
25°	206	240	378	1031	1721	99
35°	70	79	134	291	596	46
45°	41	41	47	73	127	32
55°	20	19	19	16	18	19
65°	9	9	7	7	9	9
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1180108

CATALOG NUMBER: LDA2B209730R2050D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3502.5	3502.5	3502.5	3502.5	3502.5
2.5°	3325.7	3360.8	3401.7	3444.0	3477.6
5°	2868.6	2957.7	3165.1	3395.8	3511.2
7.5°	2268.3	2399.7	2802.8	3258.5	3502.5
10°	1646.1	1814.0	2312.1	3020.5	3384.2
12.5°	1131.9	1289.7	1854.9	2719.6	3227.9
15°	752.2	883.6	1412.4	2386.6	3024.9
17.5°	530.2	619.3	1026.8	2022.9	2763.4
20°	385.6	445.5	724.4	1666.5	2418.7
22.5°	280.4	325.7	515.6	1332.0	2069.6
25°	205.9	239.5	378.3	1031.2	1720.6
27.5°	153.4	179.7	283.4	782.9	1371.5
30°	115.4	137.3	211.8	576.9	1063.3
32.5°	89.1	103.7	162.1	411.9	804.8
35°	70.1	78.9	134.4	290.7	595.9
37.5°	58.4	64.3	111.0	203.0	436.7
40°	51.1	55.5	84.7	144.6	309.6
42.5°	45.3	48.2	61.3	103.7	201.6
45°	40.9	40.9	46.7	73.0	127.1
47.5°	38.0	33.6	36.5	51.1	74.5
50°	33.6	27.8	29.2	35.1	42.4
52.5°	26.3	23.4	23.4	23.4	24.8
55°	20.4	19.0	19.0	16.1	17.5
57.5°	16.1	16.1	14.6	13.1	14.6
60°	13.1	13.1	11.7	10.2	11.7
62.5°	10.2	10.2	8.8	8.8	10.2
65°	8.8	8.8	7.3	7.3	8.8
67.5°	7.3	7.3	7.3	5.8	7.3
70°	5.8	5.8	5.8	5.8	5.8
72.5°	4.4	4.4	5.8	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)